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SECOND MONTHLY PROGRESS REPORT
DESIGN AND FABRICATION OF
VARIABLE ANAMORPHIC VIEWING SYSTEM

Period January 1, 1966 to February 1, 1966

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Declass Review by NGA.

The primary problem during this reporting period has remained that of correcting the chromatic aberration in the prism anamorphic system. Part of this delay is due to limited experience with this type of system, and consequent necessity to develop some new design procedures. While this approach still looks feasible, the probability of success is now somewhat lower than during the previous reporting period.

As a consequence the program to design a cylinder lens zoom system has been emphasized. This program is a parallel effort and the re-emphasis of this approach in no way detracts from the prism system effort. As yet, no zoom system has been found which fits in the limited available space. Steady progress is being made and it is expected that a system suitable for final design effort will be developed during the next period.

Re-evaluation of the overall schedule shows that with this slippage in the optical design phase it will not be possible to meet the anticipated May 1 delivery schedule. A new delivery date is clearly dependent on how rapidly the optical design problems can be resolved.

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The present best estimate is that optical design will require an additional six weeks, thus pushing final delivery back to mid-June. Every effort will, of course, be made to improve this schedule. .